



PROPOSAL EVALUATION

IRWM Grant Program – Local Groundwater Assistance, FY 2012-2013

Applicant	Sonoma County Water Agency	County	Sonoma
Project Title	Sonoma Valley Enhanced Groundwater Recharge Study	Grant Request	\$ 249,785.00
		Total Project Cost	\$ 306,654.00

Project Description: The Proposal constructs two multi-level groundwater monitoring wells, performs aquifer tests, assesses ASR feasibility, generates geochemical modeling of water quality and aquifer matrix geochemistry to assist in designing an aquifer storage and recovery pilot study, and constructs four shallow groundwater monitoring wells to evaluate potential sites for stormwater recharge projects.

Evaluation Summary:

Scoring Criterion	Score
GWMP or Program	5
Technical Adequacy of Work to be Performed	5
Work Plan	10
Budget	4
Schedule	4
QA/QC	5
Past Performance	5
Geographical Balance	0
Total Score	38

- **GWMP or Program:** The criterion is fully addressed and supported by thorough documentation.
- **Technical Adequacy of Work to be Performed:** The criterion is fully addressed with thorough and well-presented documentation. For example, the project proposes to conduct a study to assess enhanced groundwater recharge in the basin. The applicant proposes to accomplish this study with a logical progression of activities including, but not limited to, literature research, determination of baseline conditions, installation of shallow and deep-nested groundwater monitoring wells, aquifer characterization, and development of a definitive and achievable quantity of new knowledge. Broad support for the project is from the RWQCB Valley of the Moon Water District, Sonoma Ecology Center, City of Sonoma and Southern Sonoma County Resource and Conservation District is adequately documented. The applicant also provides a clear description of how the project outcomes relate to the existing groundwater management program.
- **Work Plan:** The criterion is fully addressed with thorough and well-presented documentation. All tasks are focused on data collection, data analysis, and presentation of investigation findings. Aquifer characterization will include aquifer matrix and groundwater sampling for characterization of geochemistry and assessment of potential interaction (changes) to water quality or groundwater movement that can be attributable to operation of enhanced groundwater recharge facilities. So, a definite set of new knowledge will be obtained and CEQA and other permitting tasks are addressed. The scope includes project management and reporting to DWR on progress. Tasks are consistent with the schedule and budget. A reasonable description is given on how private property access will not be needed.
- **Budget:** The criterion is addressed but is not thoroughly documented. For example, the applicant allots 290 hours of combined consultant, hydrogeologist, and agency personnel time for drilling and construction of the monitoring wells. This budget projection for the drilling scope of work is very cost effective and efficient. However, all of the tasks in the budget do not have costs broken down into the subtask levels with the appropriate details listed in the work plan and schedule. In addition, the budget does not indicate where cost share funds are derived or applied to each task.



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- **Schedule:** The criterion is addressed but is not thoroughly documented. The schedule assumptions indicate that the applicant is ready to execute an agreement immediately and the work will be done within the 2-year time allotment. While documentation is complete, the rationale for the duration of Task 5 appears illogical. Based on the level of effort (scope and budget) for completing the reporting tasks, a logical rationale is lacking for extending the quarterly status reporting for 7-months after the last report submittal.
- **QA/QC:** The criterion is fully addressed with thorough and well-presented documentation. The applicant cites that professionals performing the work will have proper certifications and licensures. In addition, the applicant describes appropriate activities for guarding against mishaps that often occur during drilling and well construction, and presents field operating protocols and sample field data collection forms that improve the accuracy and reliability of field data collection.
- **Past Performance:** The criterion is fully addressed with thorough and well-presented documentation. The applicant presents information on the relative success of meeting the project budget and schedule for a 2008 DWR LGA grant. The applicant adequately addresses how it responded to a DWR-imposed delayed project start date and other unforeseeable conditions and states the project was completed prior to the grant agreement termination date (approximately 2-years for actual commencement of activities).